

Leading Authority on Laser Technology Giving Trio of Lectures

Chiyoë Yamanaka, founding director of the Institute of Laser Engineering (the national laboratory for laser fusion energy research in Japan), and director of the Institute for Laser Technology at Osaka University in Japan, will be visiting campus to deliver three public lectures.

Dr. Yamanaka will speak on "Research and Development Initiatives in Japan" (2 March, 3 p.m., 1-60 Chemistry East), "Laser Fusion Research in Japan" (7 March, 3 p.m. 251 Civil/Electrical

Engineering Building), and "Lasers and Their Applications" (9 March, 4 p.m., 251 Civil/Electrical Engineering Building).

During this past year, Dr. Yamanaka became director of a new joint industry/university Institute for Laser Technology for laser applications research and development. Among his achievements are the development of high power laser technology for fusion research, the discovery of anomalous absorption of laser light in plasmas; and development of

pulse power technology for the light ion beam machine.

Dr. Yamanaka has published some 200 papers, written the textbook *Laser Engineering*, and presented more than 50 papers at international conferences.

Dr. Yamanaka is president of the Laser Society of Japan as well as chairman of the Technical Committee on Opto Quantum Devices of IEE Japan. He is also a member of the Nuclear Fusion Council and the Atomic Energy Commission of Japan.

A native of Osaka, Dr. Yamanaka received his degrees from Osaka University and joined the faculty there in 1953 following a year as a research associate at MIT. He holds the rank of professor emeritus at Osaka University.

The visit of Chiyoë Yamanaka is sponsored by the Endowment Fund for the Future, Distinguished Visitors Program, and will be hosted by the Department of Electrical Engineering. During his visit, Dr. Yamanaka will be interacting with Allan Offenberger and other faculty members and graduate students engaged in research on laser development, basic theoretical studies of laser/plasma interactions, numerical simulation and experimental studies of laser-target interactions and the development of diagnostic techniques.

The University of Alberta has also established strong collaborative links with two national laboratories in the U.S., as well as formal links with other fusion research centres in the U.S., United Kingdom and Japan. The common goals are the further development of laser technology and the utilization of various high energy laser facilities for fusion-related experiments. □

FOLIO

University of Alberta

25 February 1988

'A Celebration of Women Judges'

The Women's Law Forum, a University-based organization, is presenting its second annual historical seminar on women in law. In conjunction with this year's theme—"A Celebration of Women Judges"—a seminar and reception will take place on 4 March. Everyone is welcome.

Four guest speakers will take the floor at the seminar, to be held in 231/237 Law from 3 to 5 p.m. They

are: Judge Marjorie Bowker; Justice Ellen Picard, Alberta Court of Queen's Bench; Justice Beverly McLachlin, British Columbia Court of Appeal; and Justice Mary Hetherington, Alberta Court of Appeal. Each speaker will let the audience in on some of her personal experiences as a woman judge, and comment on women judges historically and futuristically.

The reception is scheduled for

5:30 to 7:30 p.m. at the Faculty Club. In this more informal setting, people will have the chance to talk to the four judges in person. Wine and hors d'oeuvres will be served. There will be a \$10 charge for the reception; tickets must be purchased by 1 March. They are available from noon to 1 p.m. 15 to 19 February and 29 February to 1 March on the second floor of the Law Centre. Look for the "orange couches." □

Skating Party Promises a Return to Elegance

The University's sixth annual Old-Time Skating Party is more than a few turns around the rink. Consider these facets of the Campus Recreation-sponsored event: it's held at the Victoria Oval on River Road; its distinguished patron is none other than the Hon. Helen Hunley; the music has been selected after an exhaustive search of recorded music archives; the program boasts a number of ice dance pairs and a precision skating team from the Gateway Skating Club.

Ms. Hunley, a regular ice skater herself, doesn't want to see recreational skating become a lost art in the face of great interest in hockey and figure skating. This is the third year that Her Honor has accepted the role of Patron.

The public is invited to congregate at Victoria Oval on Sunday, 6 March, at 1 p.m. All that's needed is skates, warm clothing and enthusiasm.

Note: In the event of inclement weather, the party will move to the University's ice arena. □

Contents

- Writing Competence Petitions Committee places accent on counselling
- Colleague of Sartre visits Philosophy Department
- Complete program for 'University Research and the Future of Canada'



A GLASS ACT

Peter Lea shapes the future of a mercury diffusion pump. A member of Technical Services, he supervises glassblowing for campus and industrial clients as far afield as New York.

Photo/Slawnych/Westfile Inc

Committee Reviewing Writing Competence Petitions Gives Helpful Advice

Some students who fail the writing competence test seem to figure all they have to do is to keep taking the test and eventually they'll pass it, says Gregory Bourne (Physiology), one of three regular members of the General Faculties Council Writing Competence Petitions Committee (WCPC) created to review petitions from students wanting an extension of the deadline for passing the test.

"We have to explain it's not so much the number of times you take the test, as the amount of time you spend between tests trying to alleviate your problems," says Dr. Bourne. "We tell them it's better to spend more time on remedial work."

In deciding whether or not to grant the petition, the committee looks at how much effort a student has been spending on increasing their writing skills.

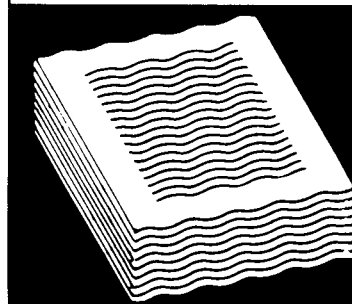
"We decide if there's any benefit

to giving them more time to improve. Then we counsel them," Dr. Bourne says, adding that petitioning students who come before the committee are surprised and relieved to find it more of a counselling body than a board of executioners.

In 1987, the committee reviewed 223 petitions, of which 142 were from students whose mother tongue is not English. Petitions granted were 214; petitions denied were 9. Of the total number of petitioners, 108 carried a full course load. In 1986, 141 petitions were reviewed, 125 granted, and 16 denied.

Committee chair is Anthony Fisher (Anthropology). Third of the three regular members is J. Murphy, an undergraduate student in psychology. Serving as alternate members are four faculty and six undergraduates. □

Currents



- Establish a President's Standing Committee on Computing
14. Writing Competence Policies: Report of the Vice-President (Academic)
15. Other Business

For information concerning this agenda, members of the University community may telephone the Secretary to GFC, 432-5430.

Campus Reviews

As part of the process of carrying out systematic reviews under the guidance of the President's Advisory Committee on Campus Reviews (PACCR), the Department of Geography is completing the self-study phase of the review process. The other major phase of the process is the site visit and assessment by the Unit Review Committee for Geography on 29 February, and 1 and 2 March. In preparation for this second phase, PACCR invites written comment prior to 2 March.

Submissions are for the use of the Unit Review Committee and will be held in confidence by the members of that committee. Submissions should be sent to: Mrs. Shirley Moore, Coordinator, PACCR Office, W4-13 Chemistry Building, Attention: The Geography Unit Review Committee.

Boreal Circle Society Presents Preview Night

Preview Night as regards the Fort Chipewyan and Fort Vermilion Bicentennial Conference will be held on 8 March at 7:30 p.m., CW-410 Biological Sciences Centre.

Featured speakers Geoff Ironside, chairman of the conference committee, and Pat McCormack, Provincial Museum, conference exhibit developer, will describe progress made on the Bicentennial Conference, session themes, plenary speakers, workshop participants, etc.

The film "Man Who Chooses the Bush" will be screened; director Tom Radford will be in attendance.

General Faculties Council

GFC's next meeting is scheduled for Monday, 29 February, at 2 p.m. in the University Hall Council Chamber.

1. Approval of the Agenda
2. Approval of the Minutes of 25 January 1988
3. Question Period
4. New Members of GFC 1988-89
5. Executive Committee Report
5.1 Executive Committee Minutes of 8 February 1988
6. Report of the Board of Governors
7. Report of the Nominating Committee
8. GFC Undergraduate Scholarship Committee (USC): Annual Report 1986-87
9. GFC Special Sessions Committee (SSC): Annual Reports 1985-86 and 1986-87
10. GFC Facilities Development Committee (FDC): Annual Report 1986-87
11. University Animal Policy and Welfare Committee: Annual Report 1986-87
12. Council on Student Services (COSS): Annual Report 1987
13. University Computing: Proposal to Disband the GFC Computing Committee (GFCCC) and to

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All enquiries and correspondence should be directed to:
Ron Thomas
Editor

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University
of
Alberta

Deadlines:

Notice of coming events: 9 a.m. three weeks in advance of desired publication date.

Classified advertisements: 3 p.m. one week in advance of desired publication date. This date also serves as the deadline for cancellation of advertisements. Advertisements cost 30 cents per word with no discount for subsequent insertions. There is a maximum limit of 30 words and a minimum charge of \$1.50. Contributors corrections will be assessed at \$1.50 for each line in which an insertion is made. Advertisements cannot be accepted over the telephone. All advertisements must be paid for in full at the time of their submission. Display advertisements: 3 p.m. one week in advance of desired publication date. Contact Public Affairs for sizes, rates and other particulars.

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Jules Vuillemin: EFF Distinguished Visitor

Jules Vuillemin of the Collège de France will be the guest of the Department of Philosophy from 6 to 20 March. His visit is under the auspices of the Endowment Fund for the Future Distinguished Visitors program.

Professor Vuillemin's early career involved him in collaborative publishing projects with Jean-Paul Sartre and Maurice Merleau-Ponty. In 1962, he was chosen to succeed Merleau-Ponty to the chair in Epistemology at the Collège de France. His scholarly output has been prodigious and of considerable range; he has made important contributions in history and philosophy of mathematics and of science, in history of philosophy, logical theory, meta-philosophy and the philosophy of language. He has

been honored by Yale University and has recently been a Distinguished Visiting Professor at Stanford University. He is a Chevalier of the Legion of Honor.

Professor Vuillemin's activities in the Department of Philosophy will include two seminars on science and metaphysics on Tuesday, 8 March, and Thursday, 10 March, (2 to 5 p.m. in 2-42 Humanities Centre). On Tuesday, 15 March, he will talk on "Touch and Vision (from Berkeley to Poincaré)" and on Thursday, 17 March, his topic will be "Perception and Representation of Perspective (from Psychology to Aesthetics)". Both of these talks will be in 3-06 Business Building from 3 to 6 p.m. For further information, contact M.M. Van de Pitte (432-4101). □

Chance for Young Scientists to Join Summer Program in Austria

This summer, young scientists are again offered the opportunity to take part in a variety of research projects in Europe, under the auspices of the International Institute for Applied Systems Analysis (IIASA), located in Laxenburg, near Vienna.

Team projects to be undertaken during this Young Scientists' Summer Program (1988) include studies on acid rain; the impact of changing climate and atmospheric chemistry on northern boreal forests; and modelling global vegetation change.

Individual contributions to ongoing research projects can be made in advanced computer applications; environment; processes of international negotiations; systems of decision sciences; and technology-economy-society.

The Institute offers facilities for research but no financial aid, and would-be participants are expected to arrange their own financing through support from national organizations. The program runs from 6 June to 2 September. Cost of attending, including travel, is estimated at \$5,000.

Last year, 62 young scientists from 14 countries took part in the summer research activities.

For application forms and further information, write to: Dr. John M.R. Stone, Director, Bureau of International Relations, National Research Council of Canada, Ottawa, Ontario, K1A 0T6.

Anyone in a hurry to get summer plans made, may borrow a copy of the program and application form from Karol Krotki (Sociology). Leave a message at 432-5234. □

Letters

Earth's Mysterious Mantle

■ Re: *Folio* article "One McCalla Professor Probes Earth's Mysterious Mantle" (11 February): The multiple anvil press will generate pressures found up to 800 kms beneath the Earth's surface (not 350 miles, as stated in the article.) And Earth's upper mantle—to a depth of 400 kms—is made of olivine-rich, not granite-rich peridotite.

Chris Scarfe
Department of Geology

Re: Ignorance, Aggressive and Otherwise

■ I think Gordon Freeman has missed Osborne's point. As I understand it, the problem is not that students suffer from low self-esteem, but that they don't know anything. Given today's economy, if one of Freeman's selfish "Double Income Parents" (presumably mom) stays home, in addition to not knowing anything, little Johnny won't have anything to eat.

Alan Rutkowski
Library

Talks

Law

27 February, 9:30 a.m. Saturday Morning at the Law School, "Motor Vehicle Accidents." Law Centre.

Northern Biology

29 February, noon. Haakon Hop, "Radiotelemetry Tracking of Arctic Grayling to Overwintering Sites in the Arctic National Wildlife Refuge, Alaska." B-121 Biological Sciences Centre.
7 March, noon. Peter Dunn, "Monogamy in Tree Swallows." B-121 Biological Sciences Centre.

Economics

29 February, 3 p.m. P. Coyte, "Medical Malpractice in Canada: 1971-1987." 8-22 Tory Building.
9 March, 3 p.m. L. Cain, Loyola University, "Economic Efficiency and the Northwest Ordinance." 8-22 Tory Building.

Slavic and East European Studies

29 February, 3 p.m. O. Ilnytskyj, "Mykhail Semenko as a Poet." 436 Arts Building.
3 March, 2 p.m. Wm. Gilby and N. Zekulin, Department of Germanic and Slavic Studies, University of Calgary, "Exergen Plus—CALL (Computer-Assisted Language Learning) Authoring System Combining Traditional Exercises, Interactive Audio, and Laser Video." (Primarily for the teaching of Russian.) 113 Arts Building.
4 March, 10 a.m. and 2 p.m. (repeated lecture). Wm. Gilby "Exergen and Lasergen—Authoring Systems for Computer-Assisted Language Learning (CALL). Experience with Computer-Assisted Language Learning at the University of Calgary. Drills and Practice, Computer-Controlled Audio, and Laserdisc Video for German, French, Italian, Russian and Spanish." 113 Arts Building.
7 March, 3 p.m. O. Zujewskyj, "The

Movement 'Protiv Tcheniia' in 19th Century Russian Literature." 436 Arts Building.

Rural Economy

29 February, 3:15 p.m. Jim Copeland, "Options: An Alternative for Western Canadian Farmers?" 511 General Services Building.

CITL

1 March, 3:30 p.m. Tom Pocklington, "Seminar on Seminars." 2-33 Humanities Centre.
2 March, 3 p.m. Abram G. Konrad, "Hints for Instructor Designed Questionnaires (IDQ)." 2J4.02 Mackenzie Health Sciences Centre.
3 March, 2 p.m. Hugh C. Phillips, education and speaking consultant, "Speaking with Class." TB-W2 Tory Building.
7 March, 2:30 p.m. Stan Teply, "Student Evaluation of Instructors—How Good Are The Questionnaires?" TB-W2 Tory Building.
8 March, noon. Rose Marie Hague, "Suicide—Death or Life in Academia." 2J4.02 Mackenzie Health Sciences Centre.
9 March, 3 p.m. D.L. Tyrrell, "Making Basic Sciences Relevant to Clinical Medicine." TB-W2 Tory Building.
10 March, 12:30 p.m. Roger Dugas, "Time Management." TB-W2 Tory Building.
10 March, 3 p.m. Andre Nitecki, "Lecture Without Words, Part II." TB-W2 Tory Building.

Research Institute for Comparative Literature

1 March, 3:30 p.m. B. Elliott and J. Wallace, "Representations of the Body in the Works of Vanessa Bell and Virginia Woolf." (Cross-listed with Feminist Issues Series.) Co-sponsored by Art and Design, Comparative Literature, English, and Romance Languages.
4-29 Humanities Centre.

continued on page six

Visual Identity Design



University of Alberta

You are cordially invited
to the opening reception
of the Visual Identity Design exhibition
at the Fine Arts Building Gallery
on Thursday, March 3, 1988
7:30 pm-10 pm
by Dr. Myer Horowitz, President

Department of Art & Design
f a b gallery
Fine Arts Building
112 Street 89 Avenue

National Conference on University Research and the Future of Canada

In Honour of J. Gordin Kaplan

Four Seasons Hotel
Edmonton, Canada

Organized by the
University of Alberta

April 26-29, 1988

About the Conference

The emphasis of this Conference is on the importance of university research to Canada's economic and social well-being — and the absolute necessity of such research if Canada is to prosper as a nation.

The purpose is to inform the public of the need to fund research and to bring together representative players in all areas of research and development to examine:

- the role and value of university research
- long-term consequences of underfunding research
- avenues for greater private sector participation
- new opportunities for knowledge and technology transfer

Featured speakers and workshop leaders are drawn from the business community, federal and provincial governments, universities across Canada, and from abroad. Uniquely in a conference of this kind, there is also strong representation from the arts, humanities and social sciences.

About J. Gordin Kaplan

Professor J. Gordin Kaplan, a distinguished teacher and scientist, was the University of Alberta's first Vice-President (Research), having served in the capacity from 1981 to 1987. Professor Kaplan has taught at Dalhousie University, the University of Ottawa and the University of Alberta, where he is now a University Professor in the Department of Biochemistry. In addition, he has conducted research in the field of molecular biology in the U.S.A. (Columbia and Yale Universities), in Great Britain (National Institute of Medical Research) and in France (Institut Pasteur and Institut de Génétique Moléculaire, CNRS). Over the years, Professor Kaplan has played a major role in facilitating excellence in university research; in promoting technology transfer and enhancing corporate-university cooperation; and in promoting the development of an enlightened science policy in Canada. We are pleased to hold this **National Conference on University Research and the Future of Canada** in his honour.

Myer Horowitz
President
University of Alberta



Program

Tuesday, April 26th

The Role of Research in Modern Society

1700 - 2100
2000 - 2100

Registration

Official Opening Angus Shaw Room

Introduction by:
J. Peter Meekison
Vice-President
(Academic)
University of Alberta

Opening Remarks:
Myer Horowitz
President
University of Alberta

Keynote Address:
**The Role of Research in
Modern Society**
Geraldine Kenney-Wallace
Chairman
Science Council of
Canada

Commentary by:
J. Gordin Kaplan
University Professor
Department of
Biochemistry
University of Alberta

2115 - 2300

Reception William Tomison Room

Wednesday, April 27th

University Research: Dimensions of a Crisis

0830 - 2030

Registration

Session 1
0900 - 1000

Provincial Perspectives on Research Excellence in Universities Angus Shaw Room

Chair: Myer Horowitz
President
University of Alberta

Speakers: A Representative of the
Alberta Government
A Representative of the
Ontario Government

1000 - 1030

Coffee Break Ballroom Foyer

Session 2
1030 - 1200

The Crisis in University Research Funding Angus Shaw Room

Chair: J.P. McGeer
Consultant
Alcan International Ltd.
Kingston, Ontario

Speakers: Arnold Naimark
President
University of Manitoba

Alex Guy
Former Deputy Minister
Saskatchewan
Department of
Science and
Technology
President, GuyTech
Regina, Saskatchewan

Roland Doré
Directeur
École Polytechnique
Montréal, Québec

1200 - 1400

Lunch William Tomison Room

Session 3

Does Canada Have a Science Policy?

Speaker: G.M. MacNabb
Associate to the Principal
Queen's University
and
President and Chief
Executive Officer
PRECARN Associates



Funding for University Research

Workshop I
1400 - 1530

Research Funding in the Humanities and Social Sciences: Today's State, Tomorrow's Goals Rowand Suite

Chair: Patricia Clements
Professor of English
University of Alberta

Speakers: Donald C. Savage
Executive Secretary
Canadian Association of
University Teachers
Ottawa, Ontario

Robert Lacroix
Dean of Arts and Science
Université de Montréal

Workshop II

Margrit Eichler
Chair
Department of Sociology
Ontario Institute for
Studies in Education

Research Funding the Arts: Today's State, Tomorrow's Goals Northcote Suite

Chair: L.W. Conolly
Acting Dean
College of Arts
University of Guelph

Speakers: Douglas Morton
Department of Visual
Arts
University of Victoria

Harry Hillman Chartrand
Research Director
Canada Council

Grant Strate
Performing Arts
Program
Simon Fraser University

Workshop III

Funding for Medical Research: Today's State, Tomorrow's Goals Winter Lake Suite

Chair: Cyril Kay
Professor of Biochemistry
University of Alberta

Speakers: Louis Siminovitch
Director
Mount Sinai Research
Institute
Toronto, Ontario

Richard L. Cruess
Dean of Medicine
McGill University

John S. Cowan
Vice-Rector (Resources
and Planning)
University of Ottawa

Workshop IV

Research Funding in the Natural and Biological Sciences, Engineering, Agriculture and Forestry: Today's State, Tomorrow's Goals Angus Shaw Room

Chair: C. Robert James
Vice-President (Research)
University of Alberta

Speakers: Gilles Cloutier
Recteur
Université de Montréal

Kenneth G. Davey
Vice-President (Academic)
York University

J.A. (Ian) Craig
Vice-President, Corporate
Development
Bell Northern Research
Ottawa, Ontario

1530 - 1600

Coffee Break Ballroom Foyer

Session 4
1600 - 1700

Plenary: Reports on Workshop Proceedings and Resolutions Angus Shaw Room

Chair: Henry Kreisel
Professor Emeritus
University of Alberta

Speakers: Patricia Clements
L.W. Conolly
Cyril Kay
C. Robert James

1900 - 2200 Banquet
Ballroom

Session 5 Canada's Future in Research, Science and Technology

Speaker: A Representative of the Canadian Government

Thursday, April 28th

Perspectives on the Role of the University in Research

0830 - 2030 Registration

Session 6 The Value of University Research

Angus Shaw Room

Chair: Eric Geddes
Senior Partner
Price Waterhouse
Edmonton, Alberta

Speakers: William S. Fyfe
Dean of Science
University of Western Ontario
A. Ernie Pallister
Chairman
Centre for Frontier
Engineering Research
and
President
Pallister Resource
Management Ltd.
Calgary, Alberta
Michel Gervais
Recteur
Université Laval

1000 - 1030 Coffee Break
Ballroom Foyer

Session 7 Industry and the University: How We See Each Other

Angus Shaw Room

Chair: Lloyd Barber
President
University of Regina

Speakers: W.R. Scowcroft
Vice-President
Research and
Development
Biotechnica Canada Inc.
Calgary, Alberta
Douglas T. Wright
President
University of Waterloo

Ken Broadfoot
Deputy Minister
Alberta Technology,
Research and
Telecommunications
Edmonton, Alberta

J - 1400 Lunch
William Tomison Room

Session 8 Some Myths about Science and Technology

Speaker: David Suzuki
Department of Zoology
University of British
Columbia

Workshop V

1400 - 1530

Knowledge and Technology Transfer: Where Do We Go From Here?

Chair: Brian Scarfe
Associate Vice-President
(Research)
University of Alberta

Speakers: David Smith
Principal
Queen's University
David Johnston
Principal
McGill University

John Scott
Department of
Philosophy
Memorial University of
Newfoundland

Workshop VI

Arts Research and Knowledge Transfer: Opportunities and Constraints

Chair: J. Frascara
Department of Art and
Design
University of Alberta

Speakers: D.R. Olson
Director,
McLuhan Programme
in Culture and
Technology
University of Toronto
and
Professor of Applied
Psychology
Ontario Institute for
Studies in Education

J.O. Orrell
Department of English
University of Alberta

Joseph G. Green
Director
MBA Programme in
Arts and Media
Administration
York University

Workshop VII

Medical Research and Knowledge Transfer: Opportunities and Constraints

Chair: D.R. Wilson
Dean of Medicine
University of Alberta

Speakers: Serge Carrière
Président
Fonds de la recherche
en santé du Québec
Montréal, Québec

W.A. Cochrane
Chairman and Chief
Executive Officer
Connaught Laboratories
Willowdale, Ontario

Lionel McLeod
President
Alberta Heritage
Foundation for
Medical Research
Edmonton, Alberta

Workshop VIII

Science and Engineering Research and Knowledge Transfer: Opportunities and Constraints

Angus Shaw Room

Chair: Clem Bowman
President
Alberta Research
Council
Edmonton, Alberta

Speakers: John Vose
Connaught Laboratories
Willowdale, Ontario

J. Fraser Mustard
President
Canadian Institute for
Advanced Research
Toronto, Ontario

Peter A. Larkin
Vice-President (Research)
University of
British Columbia

1530 - 1600 Coffee Break
Ballroom Foyer

Session 9 Plenary: Reports on Workshop Proceedings and Resolutions

Angus Shaw Room

Chair: Norbert Morgenstern
Professor of Civil
Engineering
University of Alberta

Rapporteurs: Brian Scarfe
J. Frascara
D.R. Wilson
Clem Bowman

1900 - 2200 Banquet
Ballroom

Session 10 Is Progress Worth the Price?

Speaker: Norman Wagner
President
University of Calgary

Speaker: Leonard L. Lederman
Head, Special Analytical
Studies Section
Division of Science
Resources Studies
Directorate for Scientific,
Technological and
International Affairs
National Science
Foundation
Washington, D.C.

1030 - 1100 Coffee Break
Ballroom Foyer

Session 12 The National Granting Councils and University-Based Research

Angus Shaw Room

Chair: W.M. Tupper, M.P.
Chairman
Standing Committee
on Research, Science
and Technology
House of Commons
Ottawa, Canada

Speakers: Pierre Bois
President
Medical Research Council
Arthur May
President
Natural Sciences and
Engineering Research
Council

President
Social Sciences and
Humanities Research
Council
(Unconfirmed)

Larkin Kerwin
President
National Research
Council

1230 - 1400 Lunch
William Tomison Room

Concluding Session

Friday, April 29th

International Perspectives on Research and Science Policy

Session 13 Summary of Proceedings and Resolutions

Angus Shaw Room

Chair: John Leyerle
Director
Centre for Medieval
Studies
University of Toronto

Summators: Gerald A. Moss
Professor of Physics
and Associate Dean
of Science
University of Alberta

John Trent
Department of Political
Science
University of Ottawa
Ottawa, Ontario

Roy Woodbridge
President
Canadian Advanced
Technology
Association
Ottawa, Ontario

Concluding Remarks by:
J. Gordin Kaplan
University Professor
Department of
Biochemistry
University of Alberta

Talks

Continued from page three

Pharmacy and Pharmaceutical Sciences

1 March, 4 p.m. Brenda McBean-Cochrane, BMC Health Associates, Mahone Bay, Nova Scotia, "Communication in the Curriculum—Everybody's Business." 2031 Dentistry-Pharmacy Centre.
4 March, 4 p.m. Allan J. McLean, senior lecturer, Monash University, and director, Department of Clinical Pharmacology, Alfred Hospital, Melbourne, Australia, "Pharmacokinetics of Bismuth Accumulation in Man: Single and Chronic Dosing." Funded by the Alberta Heritage Foundation for Medical Research. 2031 Dentistry-Pharmacy Centre.

Chemistry

2 March, 11 a.m. J. Takats, "Photochemical Activation of Iron Group Carbonyls Toward Alkenes and Alkynes." 1-07 V-Wing.
9 March, 11 a.m. L. Marquez, "Mechanisms for Superoxide Toxicity." 1-07 V-Wing.

Forest Science

2 March, noon. Paul Jefferson, PhD candidate, "Relationships Among Internal Wood Quality Traits in a Maritime Pine (*Pinus Pinasta*) Breeding Population." 4-1 Mechanical Engineering Building.

Lipid and Lipoprotein Research Group

2 March, noon. Jiri Frohlich, Department of Pathology, University of British Columbia, "Familial Hypoalphalipoproteinemia: Clinical, Biochemical and Genetic Aspects." 7-62 Medical Sciences Building.

Anthropology

2 March, 12:30 p.m. Frank Kense, "Gambaga Archaeology and Research Project." 14-6 Tory Building.

Botany

2 March, 4 p.m. Paul Keddy, "Competition and Plant Community Assembly: Towards General Principles." M-149 Biological Sciences Centre.
9 March, 4 p.m. Dan Crawford, "Isozymes, Chloroplast DNA and Plant Systematics: General Considerations and Specific Examples." M-149 Biological Sciences Centre.

English

2 March, 4 p.m. Chris Bullock, "First Dialogue: The Essay Past." L-1 Humanities Centre.
3 March, 4 p.m. Chris Bullock, "Second Dialogue: The Essay Present and Future." L-1 Humanities Centre.

Genetics

2 March, 4 p.m. Malcolm Whiteway, NRC Biotechnology Institute, Montreal, "Signal Transduction in Yeast." G-217 Biological Sciences Centre.

Applied Mathematics Institute

2 March, 4 p.m. G. Swaters, "Visco-Elastic Modulation of Solitons in Fluid-Filled Tubes." 357 CAB.

page six, Folio, 25 February 1988

Limnology and Fisheries Discussion Group

3 March, 12:30 p.m. Lawrence M. Page, "Reproductive Behaviors of Percid Fishes." Sponsored by the Graduate Student Seminar Committee. M-149 Biological Sciences Centre.

Religious Studies

3 March, 12:30 p.m. Alan Sell, Chair of Christian Thought, Department of Religious Studies, University of Calgary, "The Message of the Erskines for Today: Reflections on an 18th Century Secession." 2-14 Humanities Centre.

Anatomy and Cell Biology

3 March, 3 p.m. Marilyn Miller, Department of Obstetrics and Gynecology, McGill University, "Neuroanatomical Approaches to Central Nervous System Connectivity." 5-10 Medical Sciences Building.

Women's Studies

3 March, 3:30 p.m. Dallas Cullen and Ann Hall, "Gender and Decision-Making in Male-Dominated Organizations." 4-29 Humanities Centre.
8 March, 3:30 p.m. Lynn Penrod, "Divorce and Child Custody Mediations." 4-29 Humanities Centre.
9 March, 3:30 p.m. Vangie Bergum and Patricia Valentine, "Women and Health." 4-29 Humanities Centre.

Classics

3 March, 3:30 p.m. Caroline Falkner, "Loaded Words in Thucydides." 1-8 Humanities Centre.
10 March, 3:30 p.m. R. Smith, "Cults and Political Power in the Archaic Period." 1-8 Humanities Centre.

Entomology

3 March, 4 p.m. J.P. Wojcicki, "Reproductive Biology of a Fishing Spider (*Dolomedes triton*): A Preliminary Report." 2-35 Earth Sciences Building.
10 March, 3:30 p.m. J.O. Lacoursière, "Hydrodynamical Aspects of Feeding Behaviour of Larval Simuliidae (Diptera)." 2-35 Earth Sciences Building.

Library Science

3 March, 4:30 p.m. Alvin Schrader, "Peace Information Study—A Research Seminar." 1-17B Rutherford South.

Cross Cancer Institute

3 March, 7:30 p.m. Adalei A. Starreveld, "Radiation Therapy: The Healing Rays." Auditorium, Cross Cancer Institute.
10 March, 7:30 p.m. Sharon Allan, "The Prevention of Cancer." Location: same as above.

Plant Science

4 March, 12:30 p.m. H.L. Zhang, "Role of Glutenin in Determining Baking Quality." 1-06 Agriculture-Forestry Centre.
8 March, 12:30 p.m. R. Jain, "Replication of Plant Viruses: Viral Replicase vs. Host RNA Dependent RNA Polymerase." 1-06 Agriculture-Forestry Centre.
11 March, 12:30 p.m. C. Park, "Breeding Strategy Through Wide Hybridization and Induced Polyploids in Wheatgrass and Wild Rye." 1-06 Agriculture-Forestry Centre.

St. Joseph's College

4 March, 2 p.m. Paul Flaman, "Pre-marital Sexual Relations: A Few

Theological Questions." Faculty Lounge, St. Joseph's College.

East Asian Languages and Literatures

4 March, 3 p.m. Sandra Buckley, Department of East Asian Languages and Literatures, McGill University, "Japanese Women's Writing/Japanese Women Written." Co-sponsored by the Women's Studies Program and the Consulate-General of Japan. 2-05 Business Building.
11 March, 2:30 p.m. The Third Annual Students' Speech Contest in Japanese. Sponsored by the Consulate-General of Japan in Edmonton and the Japan Foundation, Tokyo. 2-05 Business Building.

Zoology

4 March, 3:30 p.m. Lawrence M. Page, ichthyologist, State Natural History Survey Division, Illinois Department of Energy and Natural Resources, Champaign, Illinois, "Sex Reversal and Cuckoldry in the Minnow Genus *Pimephales*." M-149 Biological Sciences Centre.
11 March, 3:30 p.m. A. Rich Palmer, "Shell Variation in Rocky Shore Gastropods: Genetics, Environmental Influences and Adaptive Value." M-149 Biological Sciences Centre.

Literary Theory

7 March, 3:30 p.m. U. Margolin, "Narrative 'You' Revisited." 5-20 Humanities Centre.

Anthropology

10 March, 12:30 p.m. Polly Wheeler, "Alaska Native Claims Settlement." 14-6 Tory Building.
10 March, 3:30 p.m. Herman Konrad, University of Calgary, "Ecology and Ideology in the Tropical Forests: The Maya Experience in the Mexican Lowlands." 14-6 Tory Building.

Soil Science

10 March, 12:30 p.m. Harry Hill, executive director general, National Soil Conservation Program, Regina, "Conservation Reserve." 2-36 Earth Sciences Building.

Sociology

10 March, 2 p.m. Raymond Currie, Department of Sociology, University of Manitoba, and Harvey Krahn, "Survey Research Disease: Overcoming Student Phobias and Mythologies Concerning Data Collection." 1-83 Tory Building.

Marketing and Economic Analysis

10 March, 3:30 p.m. Wesley Hutchinson, University of Florida, "Ignoring Irrelevant Information: The Roles of Prior Experience and Perceptual Salience in Determining Attribute Importance." 4-16 Business Building.

Women's Research Centre

10 March, 5:30 p.m. Cathy Cavanaugh and Patricia Rooke, "The Experience of Writing a Feminist Biography: What is a Feminist Biography? How Does Feminist Scholarship Inform Feminist Biography?" 11043 90 Ave. (Bring some money for an "order-in" dinner.) Leslie Stewart, 432-3093.

The Arts

Films

East Asian Interest Club

2 March, 3:30 p.m. "North China Factory" and "China Challenge." L-3 Humanities Centre.

Coordinating Committee on Women's Studies

3 March, 7:30 p.m. The NFB film "Behind the Veil: Nuns." TL-12 Tory Lecture Theatre.

Exhibitions

Ring House Gallery

Until 27 March. "Beyond the Object"—ten artists present 28 innovative works which encourage contemplation of meaning and content. Curated by Brian Gladwell.

SUB Theatre

27 February, 8 p.m. The Japanese Consulate and Winter Cities Showcase present "Tokubei Hanayagi Memorial Dance Ensemble." 423-4750, 422-3752.

Edmonton Youth Orchestra

28 February, 3 p.m. Program to include Beethoven's "Symphony No. 5" and the winners of the Northern Alberta Concerto Competition—Lisa Yui, piano, and Lauressa Pawloski, voice. 436-7932.

Music

29 February, 8 p.m. Junior Student Recital—Geoff Whittall, percussion.
1 March, 8 p.m. Senior Student Recital—David Haymann, clarinet.
2 March, 8 p.m. Steven Bryant, violin, and Michael Redshaw, piano, perform Brahms' "Three Sonatas for Violin and Piano."
3 March, 8 p.m. Non-compulsory Student Recital—Brenda Bodnar, piano.
5 March, 8 p.m. Encounters Series—faculty, students and friends present works by Finzi, Warlock, Bridge, Quilter, Chopin/Liszt, and Verdi/Liszt, as well as Stravinsky's "L'Histoire du Soldat."
6 March, 8 p.m. Visiting Artist Series—Robert Bardston, cello.
7 March, noon. Collegium Musicum—Mitchell Brauner and Robert Klakovich, directors. Stairwell, Fine Arts Building.

Edmonton Chamber Music Society

2 March, 8 p.m. Rivka Golani, viola, and William Tritt, piano. 433-8102.

Award Opportunities

The Edmonton Consular Ball Scholarships in International Studies

Applications are invited from graduate students or third- and fourth-year honors students in the Departments of Political Science and History, and students in the Faculty of Law.

These two awards are for as much \$2,000 each to study any aspect of relations between nations, although preference will be given to studies

involving the work of the United Nations and its agencies. Of the above grant, \$1,000 is meant to cover travel expenses.

Deadline for application and presentation of project proposal to the Director of Student Awards (252 Asca Hall) is 4 March 1988.

Positions

The University of Alberta is an equal opportunity employer.

In accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.

Support Staff

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 432-5201. Due to publication lead time and the fact that positions are filled on an ongoing basis, these vacancies cannot be guaranteed beyond 19 February. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in PSSR.

Clerk Steno III, Dean of Science, (\$1,366-\$1,716)
Clerk Steno III, Forest Science, (\$1,366-\$1,716)
Clerk Steno III, Physics, (\$1,366-\$1,716)
Clerk Typist III, Housing and Food Services (Conference Centre), (\$1,366-\$1,716)

Secretary (Part-time, trust), Medicine, (\$609-\$778)

Accounts Clerk, Office of the Controller, (\$1,522-\$1,945)

Medical Steno (Temporary), Medicine (Gastroenterology), (\$1,522-\$1,945)

Medical Steno (Trust), Faculty of Physical Education and Recreation (Glen Sather Sports Medicine Clinic), (\$1,522-\$1,945)

Departmental/Executive Secretary, Anatomy and Cell Biology, (\$1,716-\$2,208)

Departmental/Executive Secretary (Term for one year), Pediatrics, (\$1,716-\$2,208)

Laboratory Assistant I (Trust), (Part- or full-time), Zoology, (\$1,142-\$1,412) (Prorated for part-time)

Animal Assistant I (Trust/term), Health Sciences Lab Animal Services, (\$1,226-\$1,522)

Technician I, Genetics, (\$1,580-\$2,027)
Technician I (Trust), Medicine, (\$1,580-\$2,027)

Administrative Assistant I (Term), Extension - Local Government Studies, (\$1,945-\$2,510)

Technologist I (Trust), Anatomy and Cell Biology (\$1,945-\$2,510)

Technologist I, Microbiology, (\$1,945-\$2,510)

Structural Supervisor, Physical Plant, (\$2,741-\$3,579)

For vacant Library positions, telephone 432-3339.

Advertisements

Accommodations available

Sale - Belgravia, four-bedroom semi. \$105,000 plus a penny. This super country kitchen not for a loner. 452-2052 will get you the owner.
Victoria Properties - Experienced, knowledgeable realtor with Edmonton references will answer all queries, and

send information. No cost or obligation. Call collect, (604) 385-4442. Lois Dutton, Dextron Realty Ltd., Victoria, B.C.

Buying or selling a condominium - Contact your south side condominium specialist, Willma Currah, Royal LePage, 433-9243 or 437-7480.

Rent - Available May for 12-month lease, 45 miles west of Edmonton on Lac Ste. Anne, furnished, ultra-modern home. Indoor pool, private beach, quiet. 924-2413.

Rent - One-bedroom, furnished, river valley view on University busline. Available 15 August 1988 to 1 May 1989. \$550 negotiable. 482-1848.

Sale - Grandview. Elegant home located half block from ravine. Upgraded, new carpets, cabinets, tile. Beautifully landscaped. Owner moving from province. Call Canada Trust, Sherry Mailo, 468-2100, or pager 445-7692.

Sale - Riverbend. Tastefully appointed, spacious two-storey. Bay window in living room, French doors to dining room. Main-floor laundry. Park-like yard. Close schools. Joy Murray, NRS Realty, 438-6111.

Rent - Three-bedroom townhouse (Blue Quill), five appliances. Bus to University. 433-9911.

Sale - New listing. Spotless, three-bedroom townhouse. Five major appliances. Partly developed basement. Good access to University and hospital. Excellent assumable mortgage. \$59,000. Pat von Borstel, 436-5250, Spencer Realty. 437-6540.

Sale - Tired of renting? Sparkling, clean bungalow in Parkdale. Recently repainted, newer carpets. Large, bright, country-style kitchen. Close to buses. \$69,900. Andrea Lye, 436-5080, 437-7691. Royal LePage R.E.S. Ltd.

Sale - Totally upgraded, two-bedroom bungalow, has two fireplaces, jacuzzi, newer carpets and tile. Central air, finished basement. Much more. Quiet Lansdowne location. \$139,900. Andre Hammond, 435-5640, 436-5080. Royal LePage.

Sale - Two bedrooms (plus two), two bathrooms, ten minutes to University Excellent condition. (Basement could be suite.) \$79,900. Glen Hughes, 455-5602, 483-0601.

Rent - Basement suite. Laundry. Near University. \$275 plus utilities. 439-6964.

Rent - University area. Recently renovated, study leave house. Four bedrooms, two baths, sunny kitchen, fireplace, deck, fenced yard. Available 1 July 1988-1 September 1989. Seeking professional family. \$850/month. 439-1872.

Sale - Classy condominium. Terrific University-area location, 86 Ave. Two bedrooms, fireplace, appliances, European cabinets, multi-level, laundry room. Underground parking, like new. Excellent value. \$74,500. Joy Murray, NRS Realty, 438-6111.

Cooperative housing - Belmead offers an alternative lifestyle. Three-bedroom townhouses available for immediate occupancy. Close to West Edmonton Mall. Good access to University via Whitemud Freeway. Call Lesley, 482-5467.

Rent - Belgravia. Furnished home. Three bedrooms, hardwood floors, patio doors, walking distance University, smoke-free. Available May 1988 to May 1989. Phone 436-8347. \$900.

Rent - Attractive, two-bedroom home on acreage near Devon, commuting distance west, ideal for couple who know and enjoy country living. Available 1 March. Phone 987-3133.

Sale - Attractive, three-bedroom townhouse. Appliances, fireplace. Blue Quill. 433-6719.

Co-op - Strathcona Housing Co-op (87 Ave. 108A St.) offers an alternative

living style in two- and three-bedroom townhouses. Construction under way for occupancy in April 1988. For details, call 482-5467.

Accommodations wanted

House required for one/two years for architect and family from August. 998-5171.

Three-bedroom, unfurnished house. West end. Five appliances, near school. Will pay up to \$1,200/month. Beginning 1 March, if possible. Call Ko, 453-5802.

Furnished, two-bedroom house for professor, wife, son (21 years). Easy access to University. June, July, August. 465-6837.

Accommodation required (study leave home) for visiting professors in medicine (and families). One for one year, one for five months, from 1 July. Contact Russell or Wong, 432-6296.

Family seeks to rent lakefront cottage with running water and fishing for either July or August. Phone Dr. Thomas Lipinski, 436-2736.

Quiet, professional, non-smoking couple available to house-sit anytime during 1 April through 31 August. Call Wendy, 483-3395.

Goods for sale

Books wanted - Collections large/small. History, philosophy, literature, art, music, Canadiana, etc. Preferably pre-1970, including 19th century, earlier. Bjarne's Books, 10005 82 Ave., Edmonton. 439-3812. Our buyer pleased to call.

Books appraised, bought and sold every day of the week. Visit us at our spacious new location only minutes from campus. The Edmonton Book Store, 8530 109 St. 433-1781.

For sale - Windermere Golf and Country Club share. Phone 436-4731.

Wanted - Mac Plus computer. Phone 459-8339.

Sailboat: Catalina 22, swing keel, "trailerable", fully equipped, sleeps five, sailing lessons included. Phone Michael, 432-5367 (days), 432-1694 (evenings).

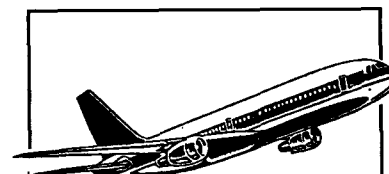
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University Computing Systems will be offering the following seminars.

Introduction to Electronic Mail

* how to use the E-Mail facilities
March 3 or 17 from 10:00 - 12:00

Introductory Hands-on session

* give E-Mail a try
March 8 from 10:00 - 12:00

Advanced Electronic Mail

* file transfer
* solving problems that may be encountered in communicating with other installations.
Mar 24 or Apr 14 from 10:00 - 12:00

These seminars are free but pre-registration is necessary as space is limited. To register call the Training Assistant at 5442 between 08:30 - 16:30.

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Concept and the Creative Process: July 12 — August 9

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Parking Services Cartoon Contest

1st Prize	\$150.00
2nd Prize	\$75.00
3rd Prize	\$50.00

The theme of the cartoon should be related to parking on campus. Prize winners cartoons will be published in the 1988/89 Digest of Parking Regulations.

RULES:

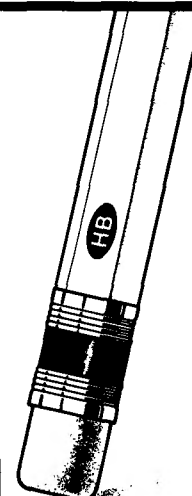
1. All entries must be received by **March 4, 1988** at 203 Education Carpark.
2. All entries become the property of the University of Alberta Parking Services Office and may be used in any form without the permission of the author/entrant.
3. Decision of the judges is final.
4. Winners announced in a March issue of *Folio*.
5. Contest open to all University staff and students. Staff of the Parking Services Division, and family members are not eligible.
6. The size of the entry should be 8" x 8" maximum.
7. Entries should be marked "Contest" on the outside of the envelope.



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